



Mosaic

PRODUCT DATA

Concrete Finishes

LTF

www.LifeTimeFloors.biz

Description

LTF (LTF) Mosaic is a unique blend of cements, polymers, color and mineral aggregates to be used over existing surfaces. It combines the durability of concrete with color and decorative aggregate to produce a high-performance floor with enduring beauty.

LTF Mosaic is trowel applied ¼” – ½” thick, cured then honed or polished.

Yield

2.3 to 5.64 lb/ft² (7.3 – 9.8 kg/m²)
Consult your LTF Mosaic representative for coverage rates specific to your job.

Packaging

Part A – 50 lb (22.7 kg) multi-wall bags
Part B – 1 or 5 gallons (3.8L or 19L) pail

Color

Available in energy-efficient light reflective and high reflective formulations. Please refer to the LTF Mosaic Standard Color Chart.

Shelf Life

18 months when properly stored

Storage

Store unopened packaging in a clean, dry area protected from sunlight at 50-90°F (10 to 32°C).

Features

- Available in light-reflective formulations
- Creates a highly polished surface
- Built in Permanent color and texture
- Reduces surface wear and dusting

Benefits

- Reduces energy and lighting requirements
- No sealers or waxes required
- Eliminates the cost of periodically painting or staining the floor
- Lowers routine maintenance and repair costs
- No traffic patterns
- Not susceptible to MVER

Where to Use

APPLICATION

- Where an attractive, exposed colored concrete floor desired
- Where improved wear resistance for light to moderate duty traffic is needed
- Over existing, properly prepared concrete
- Commercial lobbies
- Institutional and commercial floors
- Shopping Centers, Schools, Theaters, Restaurants.

How to Apply

Refer to LTF Mosaic Contractor installation guide for details.

1. LTF Mosaic is installed by experienced, independent applicators throughout the united States and Canada.
2. The following is a summary. Detailed instructions are available to experienced applicators, or call LTF Mosaic Technical Service for more information.
3. Preparing the base concrete: Pump, place, or otherwise convey the base concrete at a slump not in excess of 5” (127 mm) for a slab on grade (Please contact your local LTF Mosaic representative for information on special suspended slab applications.) After the concrete has been placed, immediately screed concrete approximately 1” short of finished elevation just before initial set float and apply Mosaic topping.

4. Steel trowel finish.

Curing

1. At the completion of final trowel and when the surface will not be marred by foot traffic, apply a LTF Mosaic approved membrane curing compound according to directions. For VOC compliant requirements on colored floors, use Masterkure® 200W by Degussa Building Systems.
2. After drying, protect hardened surface by covering with scuff-proof, non staining building paper.
3. Keep floors covered and free of traffic and loads for a minimum of 10 days.
4. Maintain ambient temperature of 50° (10°C) or above during the curing period

Honing

1. After 7 day cure time, surface shall be honed to proper specifications (400-1500 grit.)
2. Upon completion of honing, apply stainguard 250 sf/gal.



Joints

1. After a minimum of 90 days, apply semi-rigid epoxy joint filler (e.g., Masterfill®300i joint filler by Degussa Building Systems joint filler) in all non-moving control and sawcut construction joints. For further information on joint placement, refer to the product data sheet on Masterfill®300i. Discuss the timing and methods for cutting joints at the pre-job conference and in conformance with ACI 302.
2. Delay the installation of the joint filler material as long as possible to allow the slab(s) to adequately cure. Complete curing will reduce the amount of separation between the slab and the joint filler. Please refer to ACI 302R-96, Chapter 9.10.
3. Colored Floors require extra care during construction. They must be protected from staining and damage until the structure goes into service. Many factors, including jobsite conditions and applicator methods, can affect the final shade, color, and appearance of a colored concrete floor.

For Best Performance

- Store materials in a cool, dry place. Do not use material if packaging is damaged.
- Hold a pre-job conference with your local LTF Mosaic representative to discuss all aspects of the Mosaic application.
- Before application, the installers must make a 10 by 10 ft (3 by 3 m) test application using actual jobsite products and installation methods for the owner and architect to approve.

- The application steps described in this data sheet have proven effective for installing LTF Mosaic toppings. However, ideal results of these, or any construction product, are highly dependent upon ambient conditions, adequate labor, applicator experience, proper equipment, proper curing, and other factors.
- Proper timing is essential for successful installation of this product. Follow all of the specified procedures at the recommended time.
- Place Mosaic floors under a roof cover, if at all possible. Job conditions that influence surface drying and setting time of Mosaic are temperature and airflow.
- Colored floors require extra care during construction. They must be protected from staining and damage until the structure goes into service. Many factors, including jobsite conditions and applicator methods, can affect the final shade, color, and appearance of a colored concrete floor.
- Unvented flue and exhaust gasses from heaters and equipment can cause a carbonated floor surface. This results in a weak and potentially dusting surface. Provide proper ventilation.
- Consult appropriate sections of the ACI Committee Report 302.
- Do not install over concrete containing calcium chloride or concrete containing aggregate that has been saturated with seawater.
- If any blistering occurs during the finishing operation, flatten trowel blades immediately. Refloat to open floor and remove blisters. Delay raised troweling until no blisters occur.
- Do not use in areas exposed to acids, their salts, or other materials known to rapidly attack or deteriorate Portland cement concrete.
- Do not use on areas subjected to freeze/thaw cycles.
- Make certain the most current versions of product data sheet and MSDS are being used; call Customer Service to verify the most current version.
- Proper application is the responsibility of the user. Field visits by LTF Mosaic personnel are for the purpose of making technical

recommendations only and not for supervising or providing quality control on the jobsite.

Health and Safety

LTF MOSAIC

Caution

Risks

Eye irritant. Skin irritant. Causes burns. Lung irritant. May cause delayed lung injury.

Precautions

KEEP OUT OF THE REACH OF CHILDREN. Avoid contact with eyes. Wear suitable protective eyewear. Avoid prolonged or repeated contact with skin. Wear suitable gloves. Wear suitable protective clothing. Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wash soiled clothing before reuse.

First Aid

Wash exposed skin with soap and water. Flush eyes with large quantities of water. If breathing is difficult, move person to fresh air.

Proposition 65

This product contains materials listed by the state of California as known to cause cancer, birth defects, or reproductive harm.

VOC Content

0lbs/gal or 0 g/L

Waste Disposal Method

This product when discarded or disposed of is not listed as a hazardous waste in federal regulations. Dispose of in a landfill in accordance with local regulations. For additional information on personal protective equipment, first aid, and emergency procedures, refer to the product Material Safety Data Sheet (MSDS) on the job site or contact the company at the address or phone numbers given on the bottom of the first page.

For medical emergencies only, call Chem Trec (1-800-424-9300)

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